SEQUENCE LISTING

<110> Waisman, David M. <120> Compositions and Methods for Inhibiting Tumor Growth and Metastasis <130> ME03-009 <140> <141> 2003-12-13 <150> US 60/433,140 <151> 2002-12-12 <160> 160 <170> Microsoft Word <210> 1 <211> 791 <212> PRT <213> mammalian <400> 1 Glu Pro Leu Asp Asp Tyr Val Asn Thr Gln Gly Ala Ser Leu Phe Ser Val Thr Lys Lys Gln Leu Gly Ala Gly Ser Ile Glu Glu Cys Ala Ala Lys Cys Glu Glu Asp Glu Glu Phe Thr Cys Arg Ala Phe Gln Tyr His Ser Lys Glu Gln Gln Cys Val Ile Met Ala Glu Asn Arg Lys Ser Ser Ile Ile Ile Arg Met Arg Asp Val Val Leu Phe Glu Lys Lys Val Tyr Leu Ser Glu Cys Lys Thr Gly Asn Gly Lys Asn Tyr Arg Gly Thr Met 90 Ser Lys Thr Lys Asn Gly Ile Thr Cys Gln Lys Trp Ser Ser Thr Ser 105 Pro His Arg Pro Arg Phe Ser Pro Ala Thr His Pro Ser Glu Gly Leu 120 115 Glu Glu Asn Tyr Cys Arg Asn Pro Asp Asn Asp Pro Gln Gly Pro Trp 135 Cys Tyr Thr Thr Asp Pro Glu Lys Arg Tyr Asp Tyr Cys Asp Ile Leu 155 145 150 Glu Cys Glu Glu Glu Cys Met His Cys Ser Gly Glu Asn Tyr Asp Gly

170

165

Lys Ile Ser Lys Thr Met Ser Gly Leu Glu Cys Gln Ala Trp Asp Ser Gln Ser Pro His Ala His Gly Tyr Ile Pro Ser Lys Phe Pro Asn Lys Asn Leu Lys Lys Asn Tyr Cys Arg Asn Pro Asp Arg Glu Leu Arg Pro Trp Cys Phe Thr Thr Asp Pro Asn Lys Arg Trp Glu Leu Cys Asp Ile Pro Arg Cys Thr Thr Pro Pro Pro Ser Ser Gly Pro Thr Tyr Gln Cys 250 Leu Lys Gly Thr Gly Glu Asn Tyr Arg Gly Asn Val Ala Val Thr Val Ser Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro His Thr His 280 Asn Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp Glu Asn Tyr 290 Cys Arg Asn Pro Asp Gly Lys Arg Ala Pro Trp Cys His Thr Thr Asn 310 315 Ser Gln Val Arg Trp Glu Tyr Cys Lys Ile Pro Ser Cys Asp Ser Ser 330 325 Pro Val Ser Thr Glu Gln Leu Ala Pro Thr Ala Pro Pro Glu Leu Thr 340 345 Pro Val Val Gln Asp Cys Tyr His Gly Asp Gly Gln Ser Tyr Arg Gly 360 Thr Ser Ser Thr Thr Thr Gly Lys Lys Cys Gln Ser Trp Ser Ser 370 Met Thr Pro His Arg His Gln Lys Thr Pro Glu Asn Tyr Pro Asn Ala 390 Gly Leu Thr Met Asn Tyr Cys Arg Asn Pro Asp Ala Asp Lys Gly Pro Trp Cys Phe Thr Thr Asp Pro Ser Val Arg Trp Glu Tyr Cys Asn Leu 420 Lys Lys Cys Ser Gly Thr Glu Ala Ser Val Val Ala Pro Pro Val 440 Val Leu Leu Pro Asp Val Glu Thr Pro Ser Glu Glu Asp Cys Met Phe 450 455 460 Gly Asn Gly Lys Gly Tyr Arg Gly Lys Arg Ala Thr Thr Val Thr Gly 465 475 470

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Phe Asp Ala Glu Arg Asp Ala Leu Asn Ile Glu Thr Ala Ile Lys Thr 35 40 45

Lys Gly Val Asp Glu Val Thr Ile Val Asn Ile Leu Thr Asn Arg Ser
50 55 60

Asn Ala Gln Arg Gln Asp Ile Ala Phe Ala Tyr Gln Arg Arg Thr Lys
65 70 75 80

Lys Glu Leu Ala Ser Ala Leu Lys Ser Ala Leu Ser Gly His Leu Glu 85 90 95

Thr Val Ile Leu Gly Leu Leu Lys Thr Pro Ala Gln Tyr Asp Ala Ser 100 105 110

Glu Leu Lys Ala Ser Met Lys Gly Leu Gly Thr Asp Glu Asp Ser Leu 115 120 125

Ile Glu Ile Ile Cys Ser Arg Thr Asn Gln Glu Leu Gln Glu Ile Asn 130 135 140

Arg Val Tyr Lys Glu Met Tyr Lys Thr Asp Leu Glu Lys Asp Ile Ile 145 150 155 160

Glu Asp Gly Ser Val Ile Asp Tyr Glu Leu Ile Asp Gln Asp Ala Arg 165 170 175

Asp Leu Tyr Asp Ala Gly Val Lys Arg Lys Gly Thr Asp Val Pro Lys 180 185 190

Trp Ile Ser Ile Met Thr Glu Arg Ser Val Pro His Leu Gln Lys Val 195 200 205

Phe Asp Arg Tyr Lys Ser Tyr Ser Pro Tyr Asp Met Leu Glu Ser Ile 210 215 220

Arg Lys Glu Val Lys Gly Asp Leu Glu Asn Ala Phe Leu Asn Leu Val 225 230 235 240

Gln Cys Ile Gln Asn Lys Pro Leu Tyr Phe Ala Asp Arg Leu Tyr Asp 245 250 255

Ser Met Lys Gly Lys Gly Thr Arg Asp Lys Val Leu Ile Arg Ile Met 260 265 270

Val Ser Arg Ser Glu Val Asp Met Leu Lys-Ile Arg Ser Glu Phe Lys
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Glu Gly Leu Glu Glu Asn Tyr Cys Arg Asn Pro Asp Asn Asp Pro Gln
50 60

Gly Pro Trp Cys Tyr Thr Thr Asp Pro Glu Lys Arg Tyr Asp Tyr Cys
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Gly Pro Trp Cys Tyr Thr Thr Asp Pro Glu Lys Arg Tyr Asp Tyr Cys
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Tyr Asp Gly Lys Ile Ser Lys Thr Met Ser Gly Leu Glu Cys Gln Ala 100 105 110

Trp Asp Ser Gln Ser Pro His Ala His Gly Tyr Ile Pro Ser Lys Phe 115 120 125

Pro Asn Lys Asn Leu Lys Lys Asn Tyr Cys Arg Asn Pro Asp Arg Glu 130 135 140

Leu Arg Pro Trp Cys Phe Thr Thr Asp Pro Asn Lys Arg Trp Glu Leu 145 150 155 160

Cys Asp Ile Pro Arg Cys Thr Thr Pro Pro Pro Ser Ser Gly Pro Thr 165 170 175

Tyr Gln Cys Leu Lys Gly Thr Gly Glu Asn Tyr Arg Gly Asn Val Ala 180 185 190

Val Thr Val Ser Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro 195 200 205

His Thr His Asn Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp 210 215 220

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Thr Thr Asn Ser Gln Val Arg Trp Glu Tyr Cys Lys Ile Pro Ser Cys

| Asp | Ser | Ser | Pro 260 | Val | Ser | Thr | Glu | Gln 265 | Leu | Ala | Pro | Thr | Ala 270 | Pro | Pro | |
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| Trp 305 | Ser | Ser | Met | Thr | Pro 310 | His | Arg | His | Gln | Lys 315 | Thr | Pro | Glu | Asn | Tyr 320 | |
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| Pro | Pro 370 | Val | Val | Leu | Leu | Pro 375 | Asp | Val | Glu | Thr | Pro 380 | Ser | Glu | Glu | Asp | |
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| 014 | | | | | | | | | | | | | | | | |
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